

ABSTRACT

A resin lens plate has, on its planar surface, convex lenslets arranged in a regular pattern with adjacent lenslets being apart from each other by a specified center-to-center pitch. Each of the convex lenslets has a rectangular or hexagonal contour in a plan view of the plate, and the lenslets are arranged such that the direction in which the center-to-center distance between adjacent lenslets takes a maximum value is in parallel with the lengthwise side of the plate. A groove or a ridge is formed along the bisector of a center-to-center line drawn between each pair of adjacent lenslets, and a light absorbing film is formed over the groove or the ridge. The groove or ridge inhibits the entry of stray light to the lenslet from adjacent lenslets.